



chain nodes :

19 20 21 22 23 24 25 26 29 30 31 32 33 34 35 36

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

chain bonds :

2-19 3-20 4-21 5-22 8-26 11-29 13-35 14-36 15-33 18-34 22-23 23-24 24-25 24-26 29-30  
30-31 30-32 32-33

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18 14-15 15-16 16-17  
17-18

exact/norm bonds :

2-19 3-20 4-21 7-8 7-12 8-9 8-26 9-10 10-11 11-12 11-29 13-35 14-36 18-34 24-25 24-26  
29-30 30-31

exact bonds :

5-22 15-33 22-23 23-24 30-32 32-33

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom  
13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS  
24:CLASS 25:CLASS 26:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS  
36:CLASS

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2006:913916 CAPLUS  
 DN 145:325145  
 TI Phase difference plate with liquid crystal layer and multilayer optical element for optical display to improve viewing angles  
 IN Takeuchi, Hiroshi; Nishikawa, Hideyuki  
 PA Fuji Photo Film Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 77pp.  
 CODEN: JKXXAF

DT Patent  
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2006235121	A	20060907	JP 2005-47985	20050223
	KR 2006094029	A	20060828	KR 2006-16071	20060220
PRAI	JP 2005-47985	A	20050223		

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2005:59794 CAPLUS  
 DN 142:165773  
 TI Liquid crystalline compound, liquid crystalline composition and retardation film  
 IN Nishikawa, Hideyuki; Ohkawa, Atsuhiko  
 PA Fuji Photo Film Co., Ltd., Japan  
 SO U.S. Pat. Appl. Publ., 52 pp.  
 CODEN: USXXCO

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005012071	A1	20050120	US 2004-892270	20040716
	US 7169325	B2	20070130		
	JP 2005035950	A	20050210	JP 2003-276043	20030717
PRAI	JP 2003-276043	A	20030717		
OS	MARPAT 142:165773				

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2004:782101 CAPLUS  
 DN 141:285973  
 TI Phase difference plate and elliptical polarizing plate  
 IN Nishikawa, Hideyuki; Okawa, Atsuhiko  
 PA Fuji Photo Film Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 31 pp.  
 CODEN: JKXXAF

DT Patent  
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004264841	A	20040924	JP 2004-34556	20040212
	US 2004219305	A1	20041104	US 2004-777167	20040213
PRAI	JP 2003-35454	A	20030213		

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2004:756563 CAPLUS  
 DN 141:285912  
 TI Liquid crystal composition, polymerization product, retardation plate and ellipsoidally polarizing plate  
 IN Nishikawa, Hideyuki; Ohkawa, Atsuhiko  
 PA Fuji Photo Film Co., Ltd., Japan  
 SO U.S. Pat. Appl. Publ., 39 pp.  
 CODEN: USXXCO

DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004178387	A1	20040916	US 2004-798385	20040312
	JP 2004300420	A	20041028	JP 2004-66776	20040310
PRAI	JP 2003-70304	A	20030314		
	JP 2003-70305	A	20030314		
OS	MARPAT 141:285912				

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2004:589053 CAPLUS  
DN 141:148220  
TI Compound, retardation plate and method for forming optically anisotropic layer  
IN Nishikawa, Hideyuki; Ohkawa, Atsuhiko  
PA Fuji Photo Film Co., Ltd., Japan  
SO U.S. Pat. Appl. Publ., 80 pp.  
CODEN: USXXCO

DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004142116	A1	20040722	US 2004-753411	20040109
	US 7153548	B2	20061226		
	JP 2004231641	A	20040819	JP 2003-424230	20031222
PRAI	JP 2003-4981	A	20030110		
OS	MARPAT 141:148220				

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2004:72625 CAPLUS  
DN 140:395122  
TI Potentiometric lead(II) ions recognition by liquid membrane electrodes incorporating methoxy substituted arylenevinylene derivatives  
AU Zimkus, A.; Cretscu, I.; Grzybowska, I.; Radecka, H.; Geise, H. J.; Dieltiens, P.; Aleksandrak, K.  
CS Department of Biochemistry, Vilnius University, Vilnius, Lithuania  
SO Polish Journal of Environmental Studies (2003), 12(6), 773-778  
CODEN: PJESE2; ISSN: 1230-1485

PB HARD Publishing Co.  
DT Journal  
LA English

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT